Digital Certificate Request
EORI Traders

Document History

Edi.	Rev.	Date	Description	Action (*)	Pages
0	1	03/08/2015	Draft for internal review.	I	All
0	2	10/08/2015	Version issued after internal review.	IR	All
1	0	25/08/2015	Final Version.	IR	All
1	1	30/11/2015	New endpoints added.	IR	All
1	2	16/01/2017	New rules added.	IR	All

(*) Actions: I = Insert R = Replace

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Disclaimer

The AT (*Autoridade Tributária e Aduaneira*) or Portuguese Taxation and Customs Authority maintains this document to enhance EORI Traders' access to the Portuguese Customs Systems. Our goal is to keep this document information timely and accurate. If errors are brought to our attention, we will try to correct them.

However, the AT accepts no responsibility or liability whatsoever with regard to the information on this document.

1. Digital Certificate

The digital certificate for webservices is requested by EORI Traders and it is signed by AT. Hence, the EORI Trader should make a request for digital certificate by using a CSR (Certificate Signing Request), which must be send by e-mail to:

- asa-eori-dc@at.gov.pt

As the validation of CSR file is automated, the application e-mail must comply with the following information and rules:

- **Subject**: Certificate Request for <EORI number>
- **Attached content**: CSR file
- **CSR file name**: <EORI number>.csr
- **E-mail content**: Free text or no text at all
- **E-mail** must have a single attachment only
- **EORI number** must be valid
- **Logo attached pictures** are not allowed inside this application e-mail.

The received e-mail must be sent by the e-mail registered in EORI system. In case of doubts on that e-mail, please contact related Customs Administration where it was registered the EORI Number.

The CSR file is a very small text file that contains the encrypted SSL certificate and all the necessary EORI Trader's information needed to AT validation and signature. This SSL certificate is digitally signed and will be used to authorize communication when a webservice is invoked.
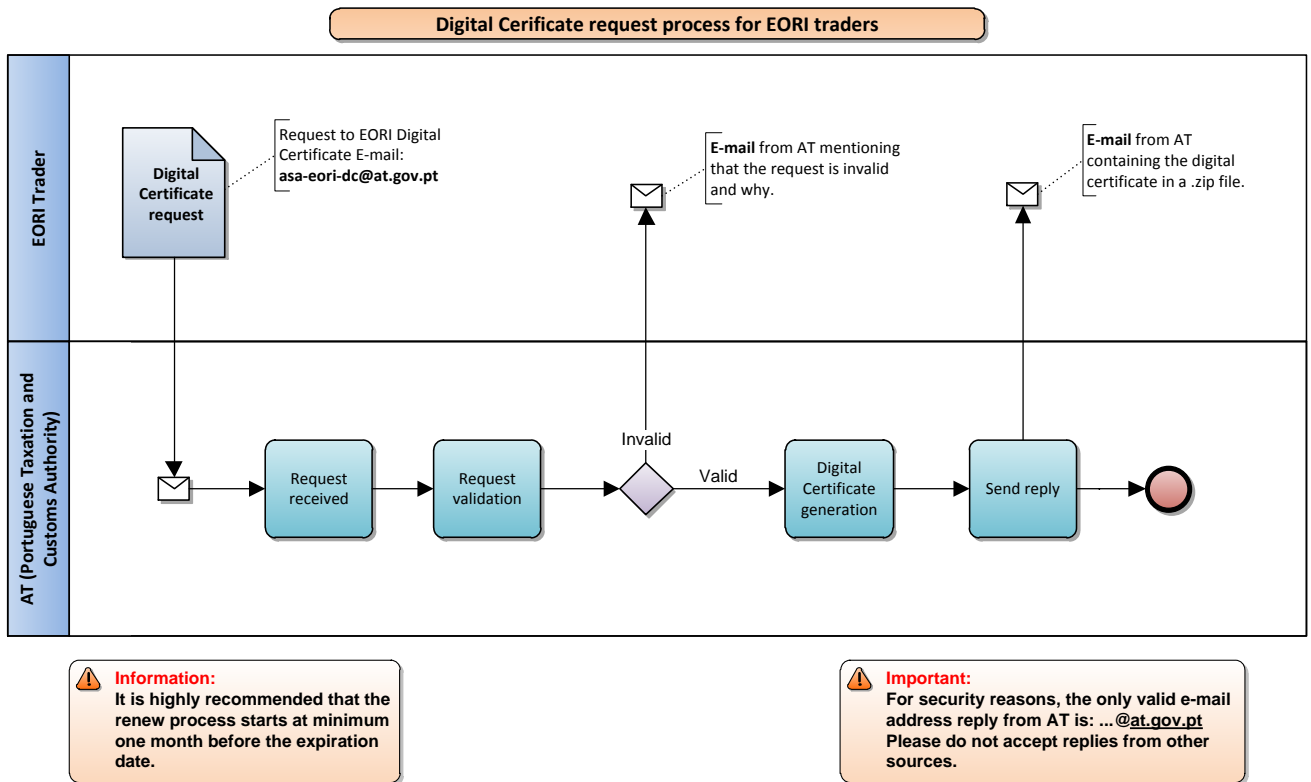
The procedure for CSR generation is very simple but varies according with web technology used by the participating entity, and therefore, it should be checked the respective support documentation for each tool.

The usage of special characters (e.g., Portuguese characters, Latin languages, etc.) is not accepted inside the CSR file, since the use of these characters could invalidate the digital signature of the digital certificate. Hence, it must be ASCII characters only.

This process ends when AT replies by e-mail with the signed digital certificate, in an attached **.zip** file, that must be integrated into the Trader's private key.

2. Digital Certificate request process model

Digital certificate attribution process model is described in the diagram below:

Information:
It is highly recommended that the renew process starts at minimum one month before the expiration date.

Important:
For security reasons, the only valid e-mail address reply from AT is: ...@at.gov.pt Please do not accept replies from other sources.

3. Production Webservices endpoints

The list of production endpoints available is described below:

Webservices	Production Endpoints
ICS System	https://servicos.portaldasfinancas.gov.pt:501/jsp/externalWebservice.jsp?external=icsws
ECS System	https://servicos.portaldasfinancas.gov.pt:503/jsp/externalWebservice.jsp?external=ecsws

4. Testing Webservices endpoints

A list of testing webservices endpoints are available and might be used for testing purposes only and it is described in the table below:

Webservices	Testing Endpoints
ICS System	https://servicos.portaldasfinancas.gov.pt:801/jsp/externalWebservice.jsp?external=icsqualidadews
ECS System	https://servicos.portaldasfinancas.gov.pt:803/jsp/externalWebservice.jsp?external=ecsqualidadews

A specific Digital Certificate for testing might be requested to the following e-mail:

- asa-eori-dc@at.gov.pt

5. CSR Information

The list of CSR more relevant information is described in the table below:

CSR Field	Description	Min Length	Max Length
C = Country	ISO 3166-1 alpha-2 code is used to refer the location of the Trader's headquarters. In Portugal it must be "PT".	2 (chars)	2 (chars)
ST = Province, Region, County or State	District Headquarters.	4 (chars)	32 (chars)
L = Town/City	Town/City of Headquarters.	1 (char)	32 (chars)
O = Business Name / Organisation	The company's legal name.	1 (char)	180 (chars)
OU = Department Name/ Organisational Unit	Department to contact.	1 (char)	180 (chars)
CN = Common Name	Common Name must be the EORI number.	3 (chars)	17 (chars)
E = E-mail address	The e-mail address for contact must be a valid e-mail address as the one registered by EORI registration system.	6 (chars)	80 (chars)
Key bit length	Public key of the SSL certificate generated by the software producer. It must be generated with 2048 bits.	2048 (bits)	2048 (bits)

Note: All presented data are **mandatory**.

More details could be found on point 7.

6. Request E-mail example

Digital certificate request example for EORI Trader by e-mail:
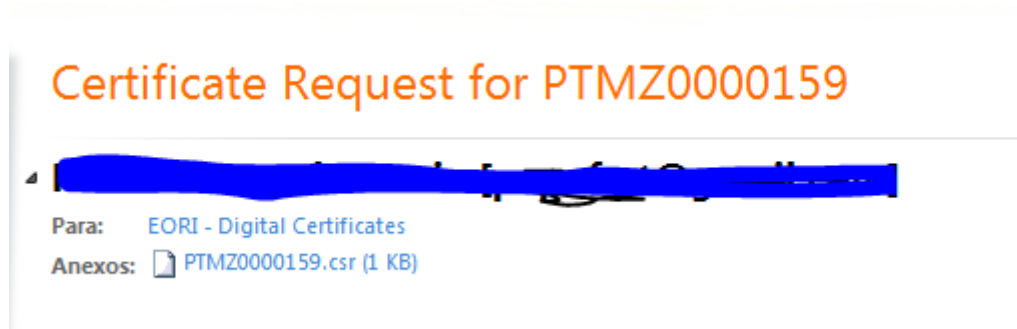
Important:

EORI e-mail from sender must be the same as the one registered in EORI system.

7. CSR request error messages list

ID	Error code	Reply message	Object	Rule
1	csrMaxLen	Maximum CSR length is 1722 characters.	CSR	Maximum CSR lenght must be 1722 characters
2	nullCountry	Country Code (C=Country) is mandatory	CSR	[C] Country Code cannot be empty
3	invalidCountry	Country Code (C=Country) must contain only letters according to ISO 3166-1 alpha-2 standard	CSR	[C] Country Code must use ISO 3166-1 alpha-2
4	nullState	State (ST=Province/Region/Country/State) is mandatory	CSR	[ST] State cannot be empty
5	minStateLen	Minimum State (ST=Province/Region/Country/State) length is 4 characters	CSR	[ST] State must have between 4 and 32 characters
6	maxStateLen	Maximum State (ST=Province/Region/Country/State) length is 32 characters	CSR	[ST] State must have between 4 and 32 characters
7	nullTown	Town (L=Town/City) is mandatory	CSR	[L] Town cannot be empty
8	invalidTown	Town (L=Town/City) may only contain ASCII characters	CSR	[L] Town cannot have special characters
9	nullOrganisation	Business Name (O=Business Name) is mandatory	CSR	[O] Business Name cannot be empty
10	minOrganisationLen	Minimum Business Name (O=Business Name) length is 2 characters	CSR	[O] Business Name must have between 2 and 180 characters
11	maxOrganisationLen	Maximum Business Name (O=Business Name) length is 180 characters	CSR	[O] Business Name must have between 2 and 180 characters
12	invalidOrganisation	Business Name (O=Business Name) may only contain ASCII characters	CSR	[O] Business Name cannot have special characters
13	nullDepartment	Organizational Unit (OU=Organizational Unit) is mandatory	CSR	[OU] Organizational Unit cannot be empty
14	minDepartmentLen	Minimum Organizational Unit (OU=Organizational Unit) length is 2 characters	CSR	[OU] Organizational Unit must have between 2 and 180 characters
15	maxDepartmentLen	Maximum Organizational Unit (OU=Organizational Unit) length is 180 characters	CSR	[OU] Organizational Unit must have between 2 and 180 characters
16	invalidDepartment	Organizational Unit (OU=Organizational Unit) may only contain ASCII characters	CSR	[OU] Organizational Unit cannot have special characters
17	nullCommonName	Common Name (CN=Common Name) is mandatory	CSR	[CN] Common Name cannot be empty
18	nullEmail	Email (E=Email) is mandatory	CSR	[E] Email cannot be empty
19	maxEmailLen	Maximum Email (E=Email) length is 80 characters	CSR	[E] Email cannot have more than 80 characters
20	invalidEmail	Email (E=Email) is not a valid email address	CSR	[E] Email address must be valid
21	invalidKeyType	Public Key must be RSA with a 2048 bit strength	CSR	The Public Key must be RSA with a 2048 bit strength
22	invalidKeyLen	Public Key must be RSA with a 2048 bit strength	CSR	The Public Key must be RSA with a 2048 bit strength
23	invalidHash	The CSR must be encoded either in SHA1 or SHA256	CSR	The CSR must be encoded either in SHA1 or SHA256
24	invalidEORI	EORI identification is not valid or found	Message	EORI identification must be valid
25	noMailForEORI	EORI does not have an associated email	Message	EORI must have a valid email
26	notEORIMail	The sender's mail does not match the designated EORI	Message	The sender's mail must match the designated EORI
27	requestEORIDoesNotMatch	The requester's EORI does not match the Common Name (CN=Common Name) in the CSR	CSR and Message	The requester's EORI must match the Common Name in the CSR
28	invalidEORIDate	EORI is not active	Message	EORI must exist and be valid
29	tooManyAttachments	Certificate Request message can contain only one attachment	Message	Certificate Request message must have one attachment only
30	fileNameNotEORI	CSR file name is not EORI	Message	CSR file name must match with EORI number
99	unknownError	No message available for this unknown error. It must be handled manually	General	Unknown error. Please confirm all CSR file